

PG&E Planning Area Forecast

Staff Presentation
June 30, 2005



CED 2006 Forecast Differences

- 2006 Forecast is very similar to 2003
- Peak and energy are slightly higher due to rebound from energy crisis.
- CED 2006 mid and long term growth rates are similar to CED 2003
- Per Capita Energy and Peak are projected to remain constant or decline slightly
- Peak Load Factor is projected to decline

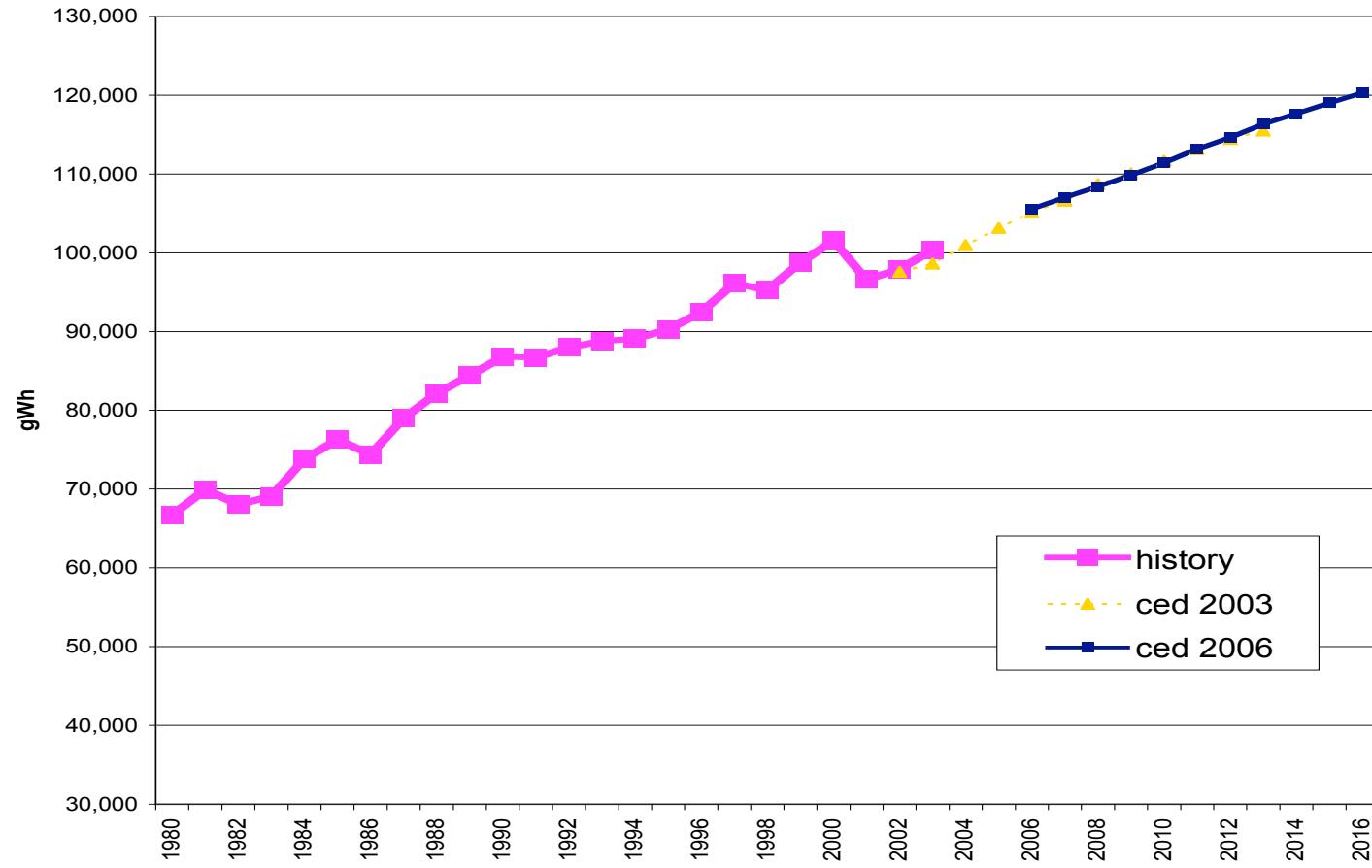


PG&E Planning Area Forecast Results

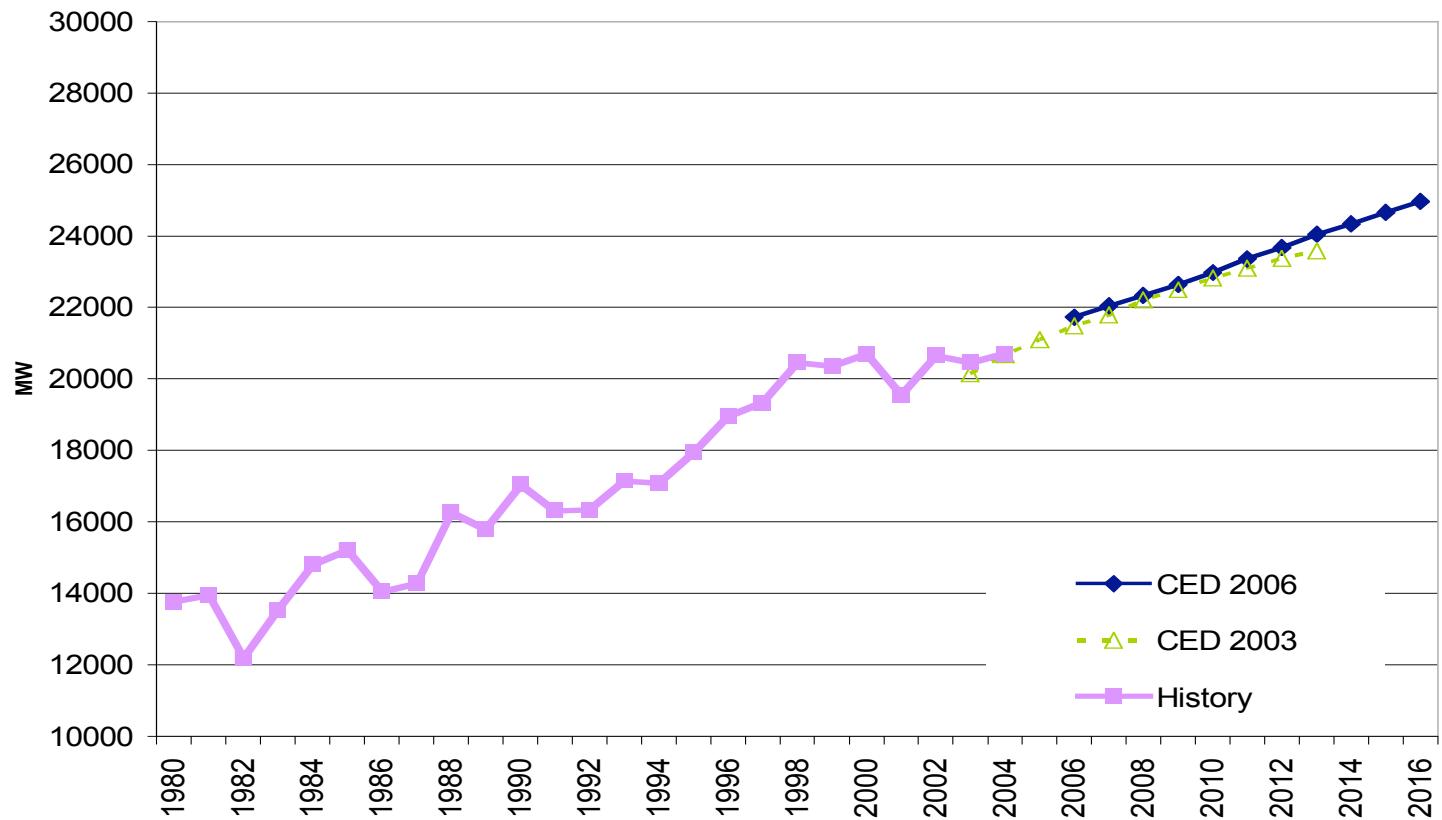
	Consumption (GWH)			Peak (MW)		
	CED 2003	CED 2006	%difference	CED 2003	CED 2006	%difference
1990	86,806	86,806	0.00%	17,250	17,039	-1.22%
2000	101,980	101,528	-0.44%	20,628	20,698	0.34%
2003	98,597	100,374	1.80%	20,145	20,464	1.59%
2008	108,699	108,406	-0.27%	22,206	22,331	0.56%
2013	115,507	116,325	0.71%	23,585	24,040	1.93%
2016	n/a	120,303		n/a	24,964	
Annual Average Growth Rates						
1990-2000	1.62%	1.58%		1.80%	1.96%	
2000-2003	-1.12%	-0.38%		-0.79%	-0.38%	
2003-2008	1.97%	1.55%		1.97%	1.76%	
2003-2013	1.60%	1.49%		1.59%	1.62%	
Historic values are shaded						



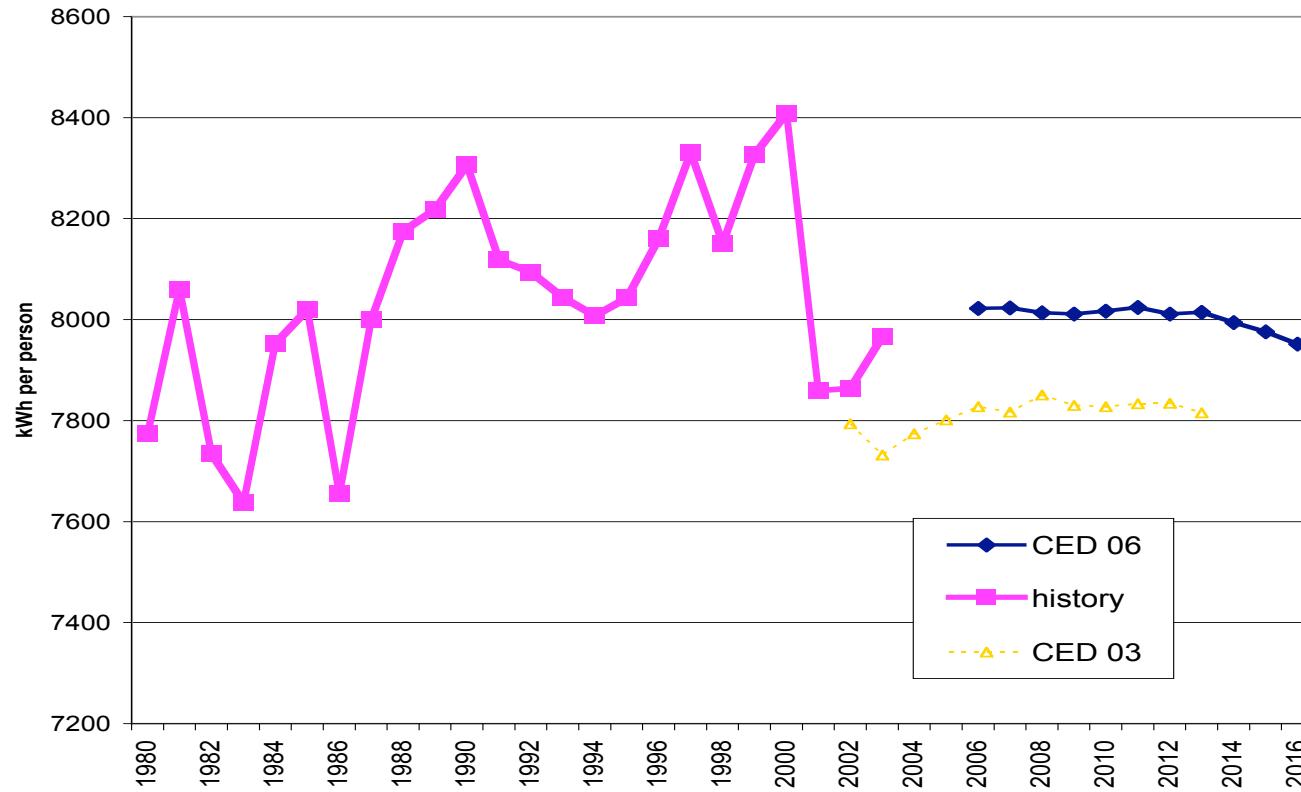
PG&E Planning Area Forecast



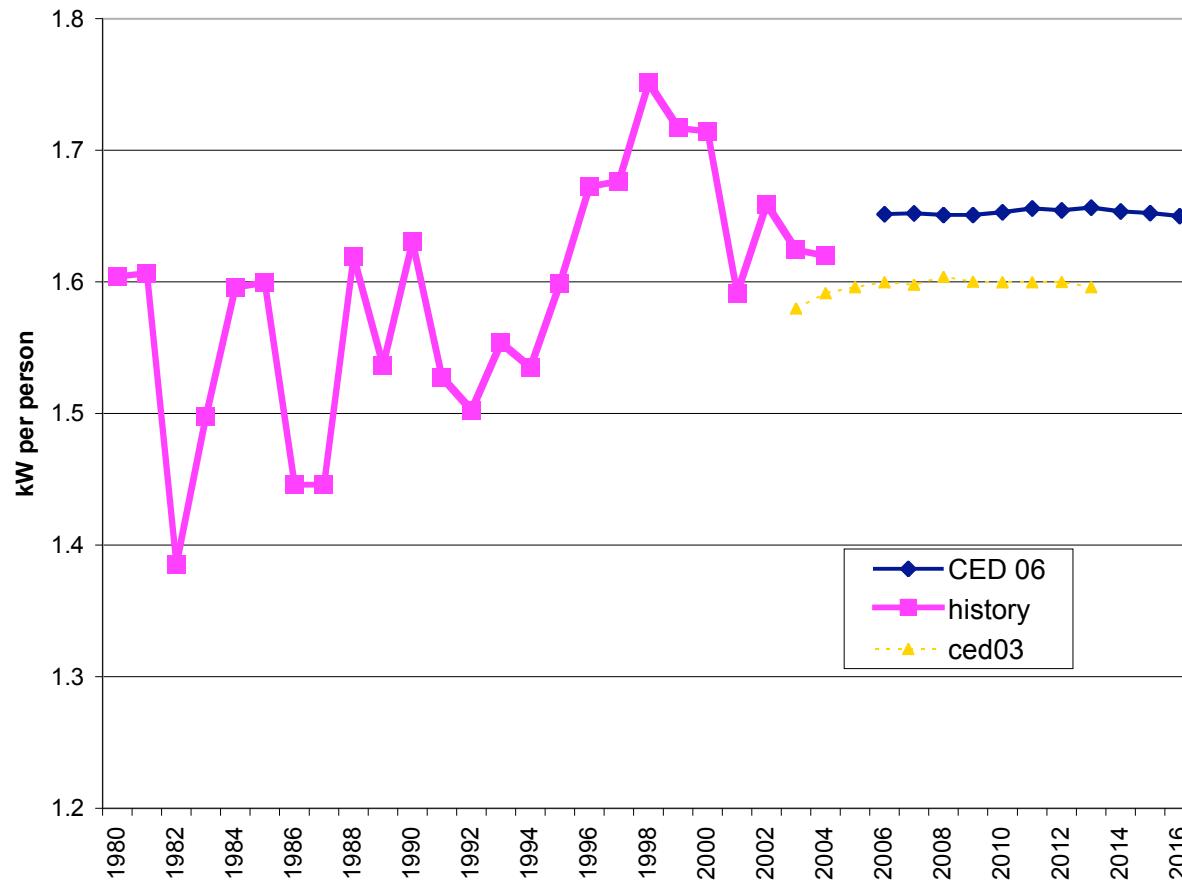
PG&E Planning Area Peak Forecast



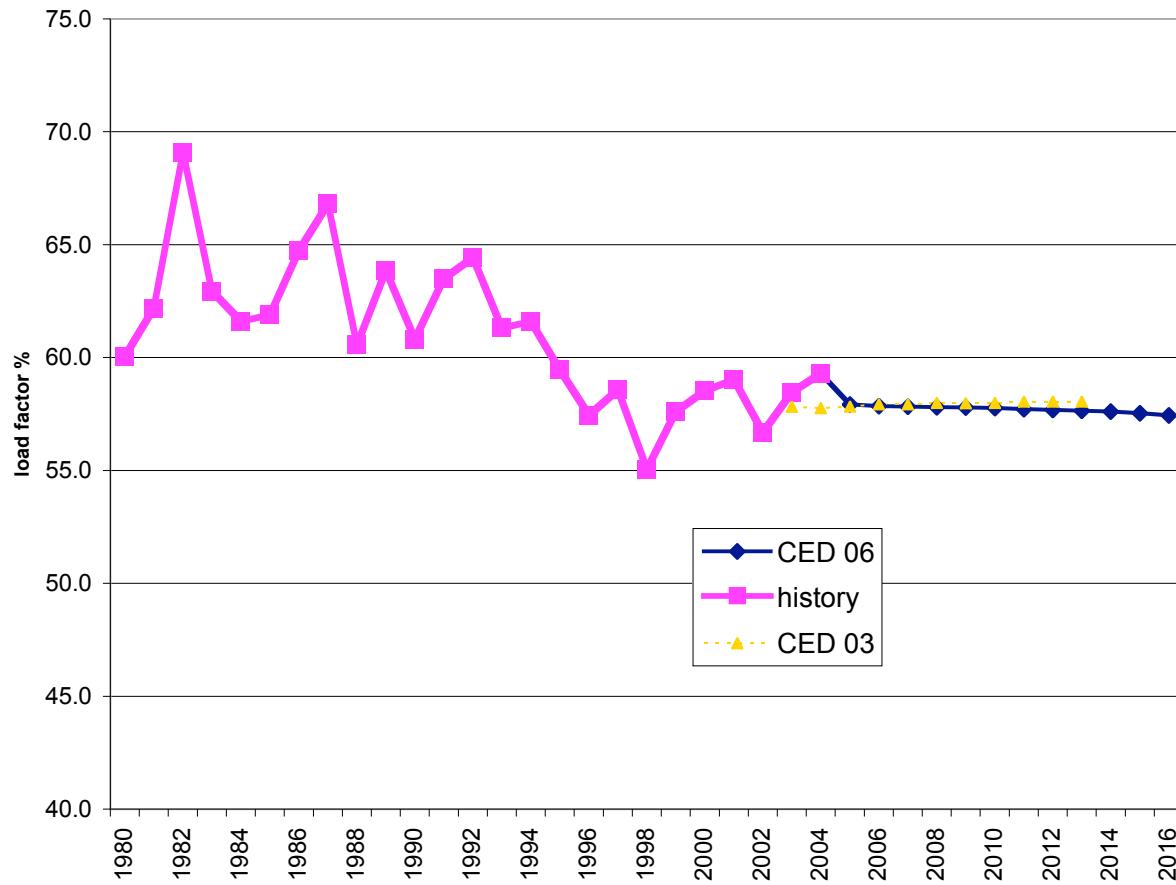
PG&E per Capita Consumption



PG&E per Capita Peak



PG&E Planning Area Load Factor

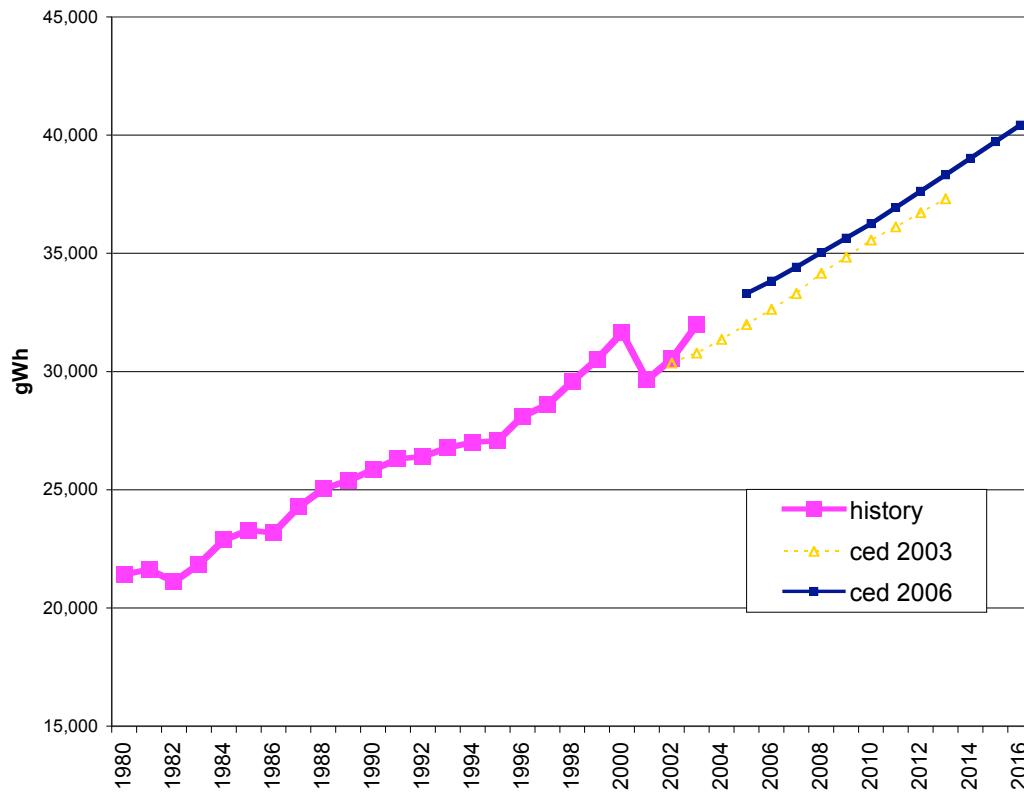


Residential

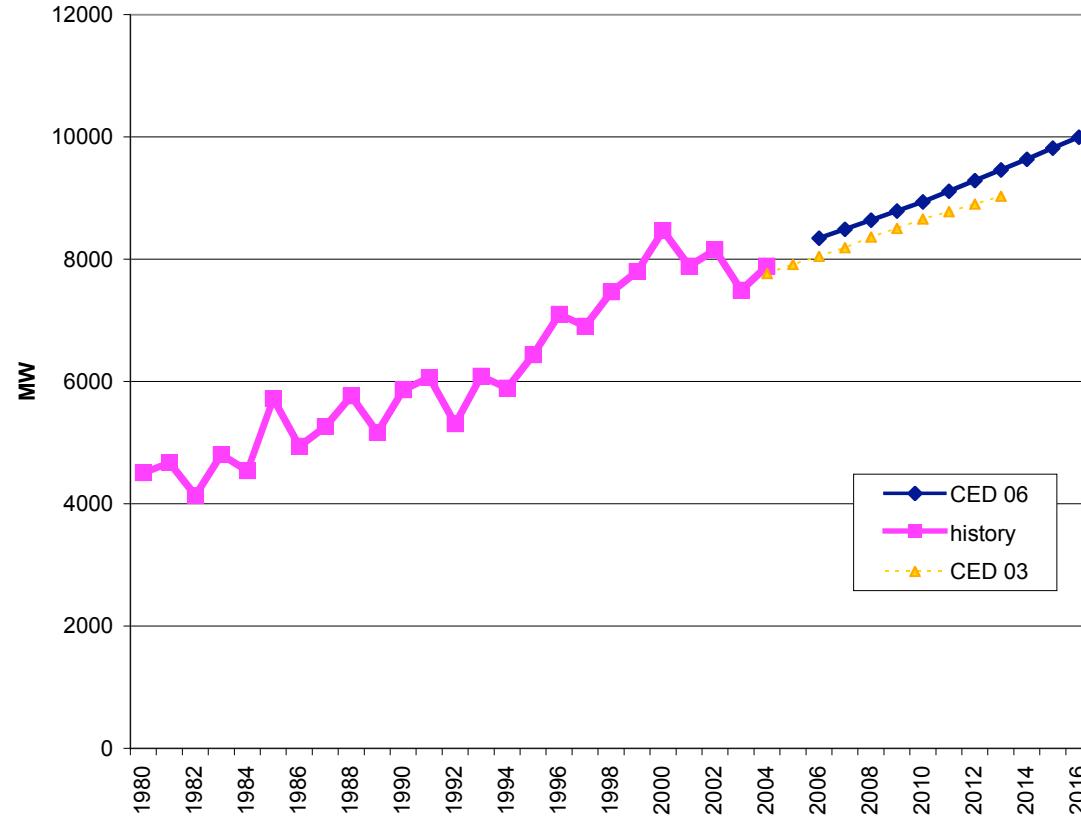
- Residential forecast is higher due to increased starting point
- Residential energy growth is slightly lower due to lower econ/demo projections.
- Lower population and persons per household yield similar household forecast
- Lower household income projections yield lower use per household growth



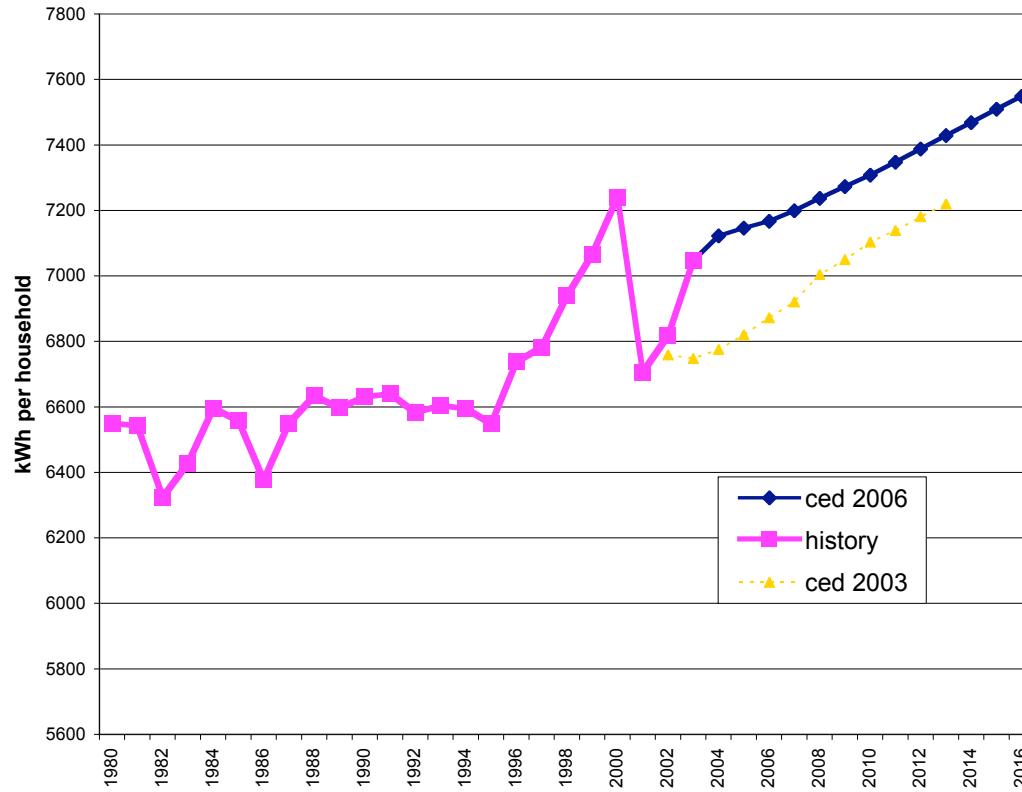
PG&E Planning Area Residential Consumption



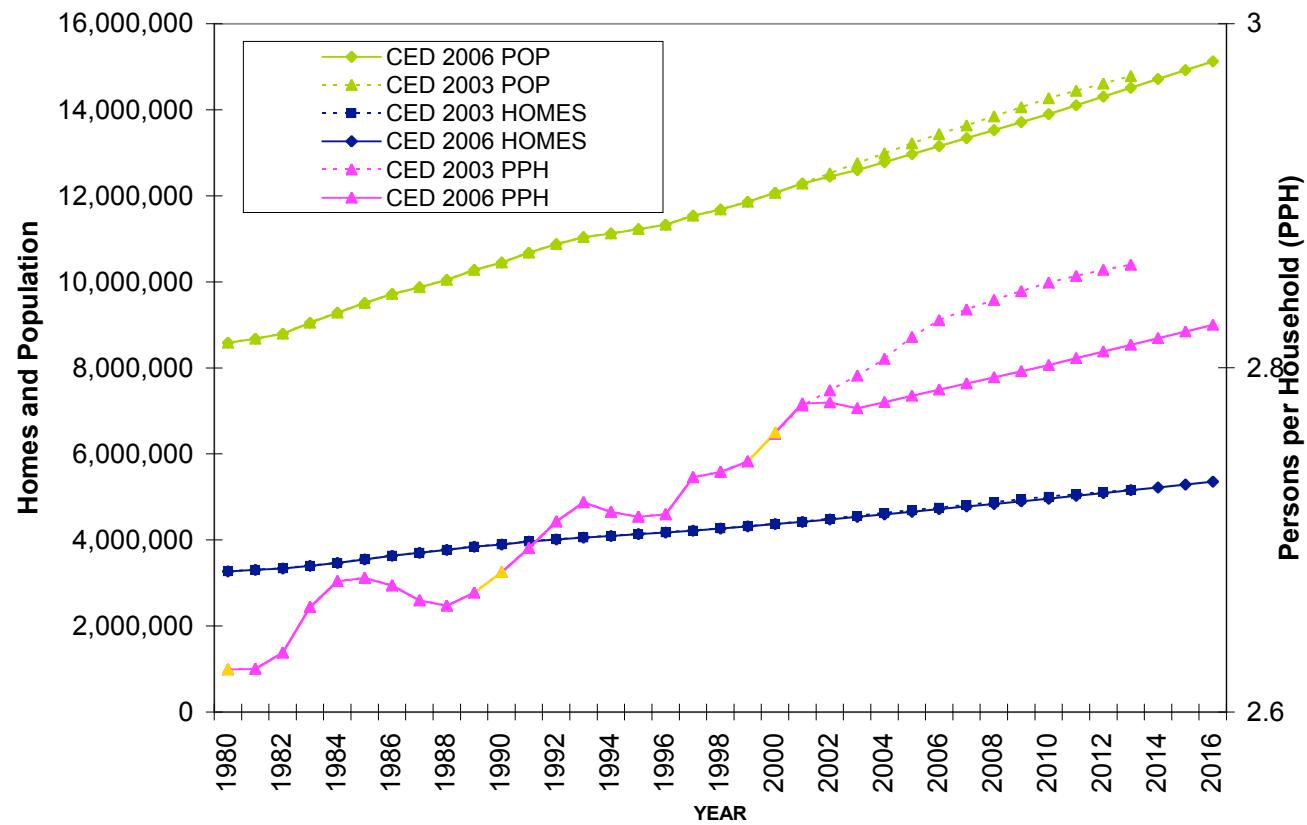
PG&E Planning Area Residential Peak



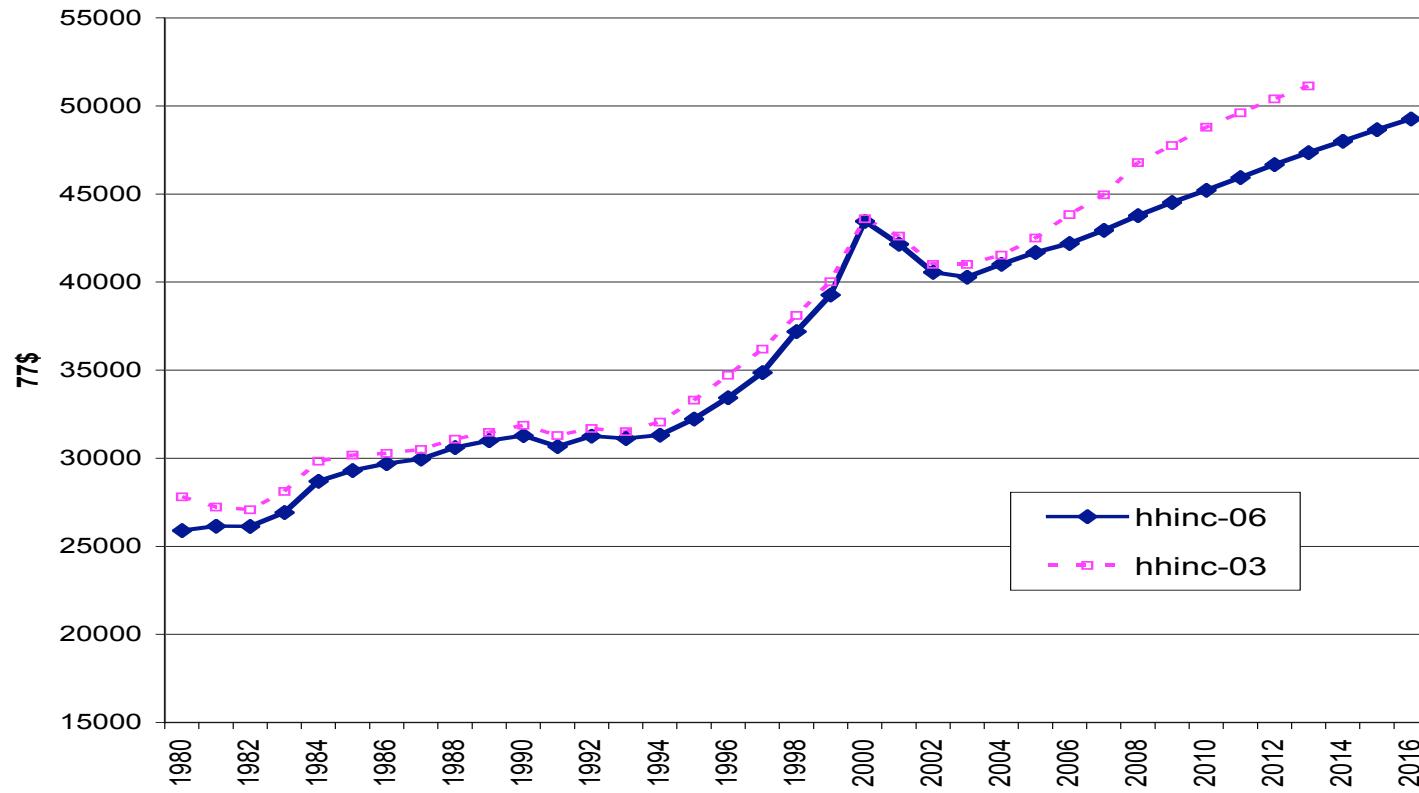
PG&E Planning Area Use per Household



PG&E Planning Area Demographic Inputs



PG&E Planning Area Household Income

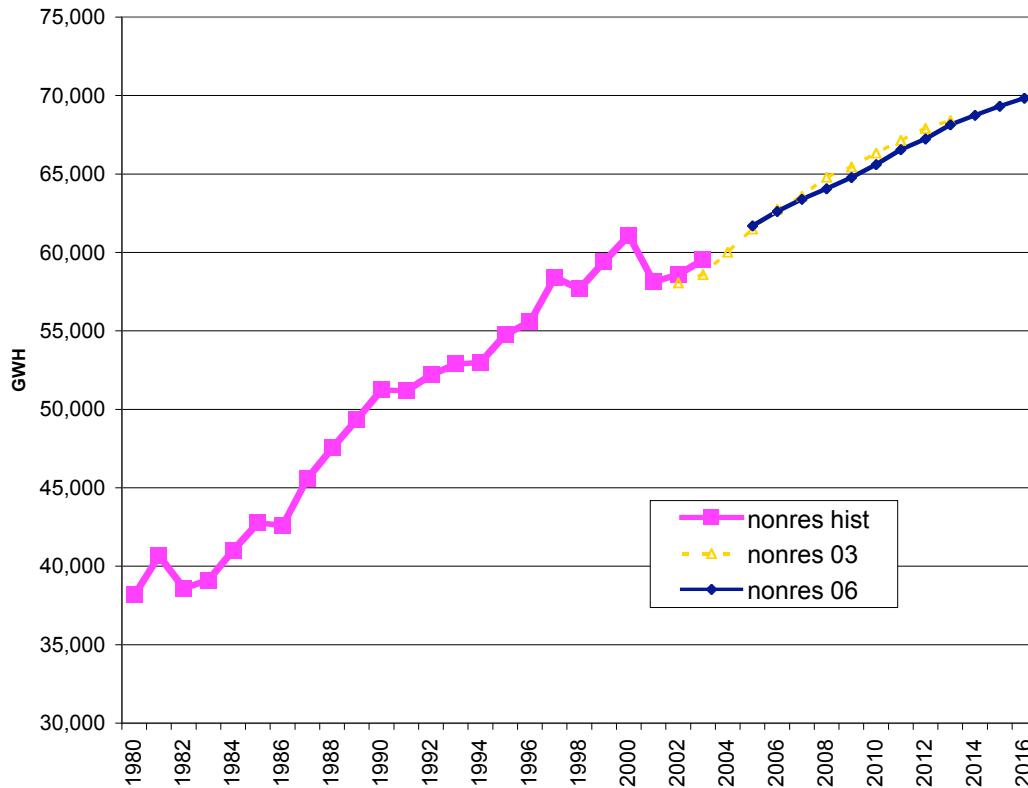


Non-Residential Sectors

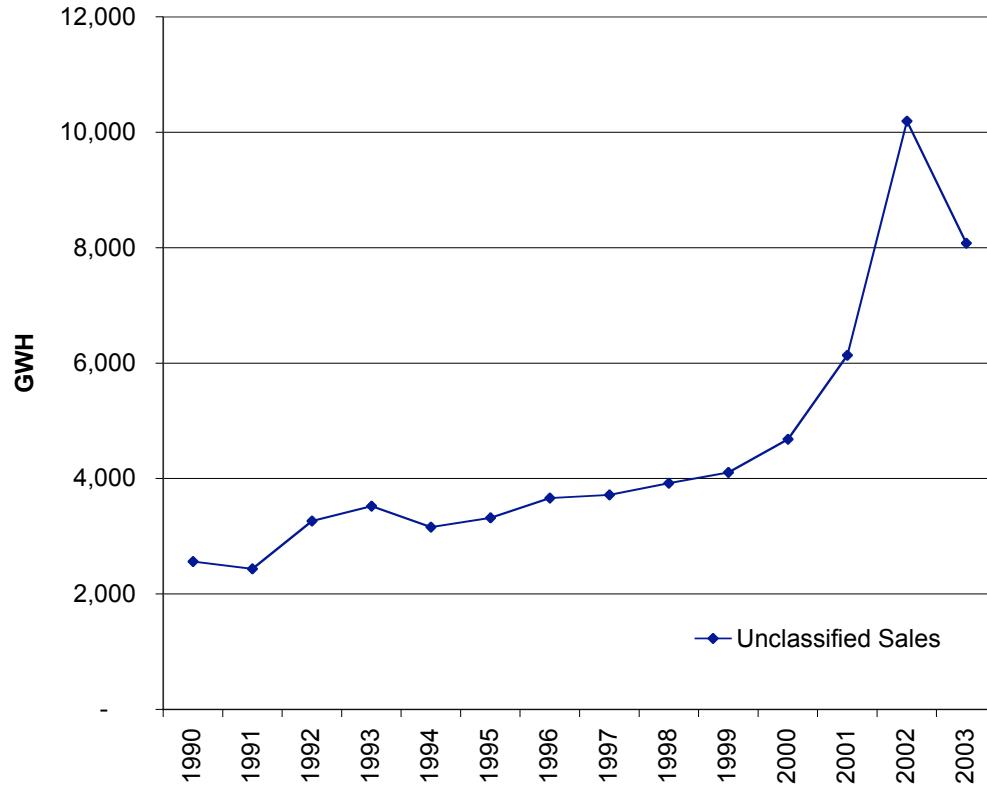
- CED 2006 combined non-residential forecast grows at a slightly lower rate than CED 2003
- Unclassified energy has grown rapidly since the onset of restructuring and direct access
- Unclassified was distributed among non-residential sectors proportional to classified sales



PG&E Planning Area Non-residential Consumption



PG&E Planning Area Unclassified Consumption

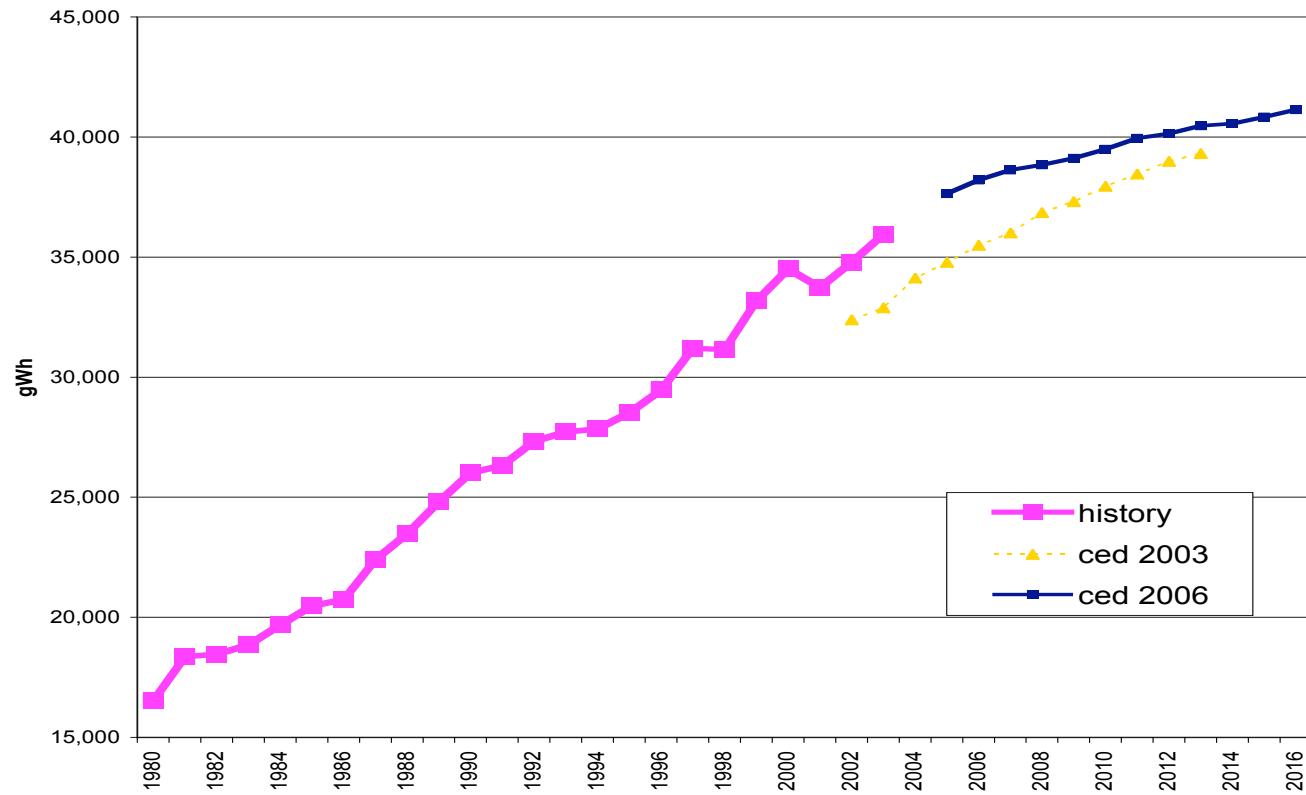


Commercial Building Sector

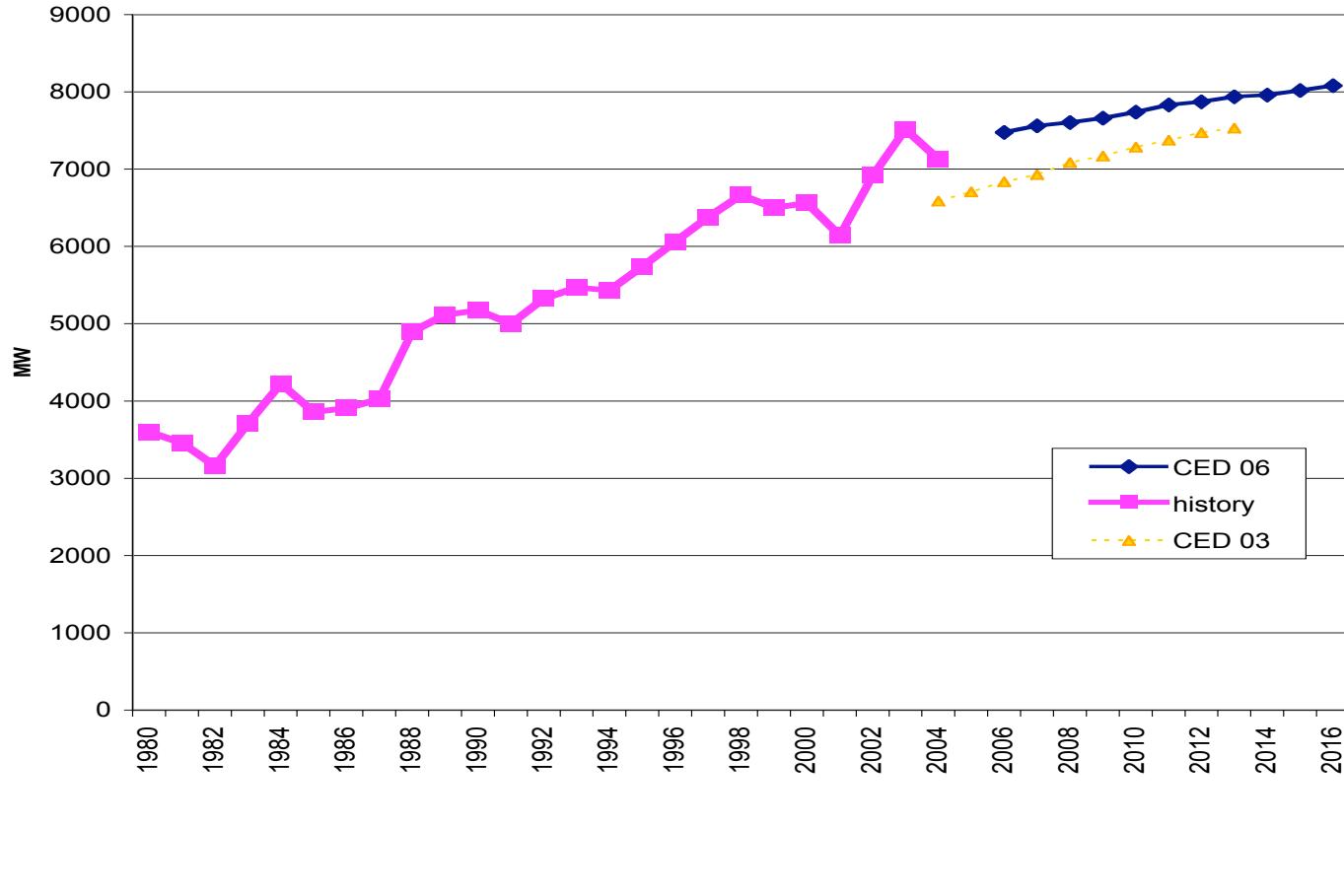
- CED 2006 commercial building forecast are growing at a slower rate than CED 2003 due to impacts of 1998-2005 non-residential building standards
- Floorspace forecast is similar to CED 2003
- Use per square foot is projected to decline due to standards improvements



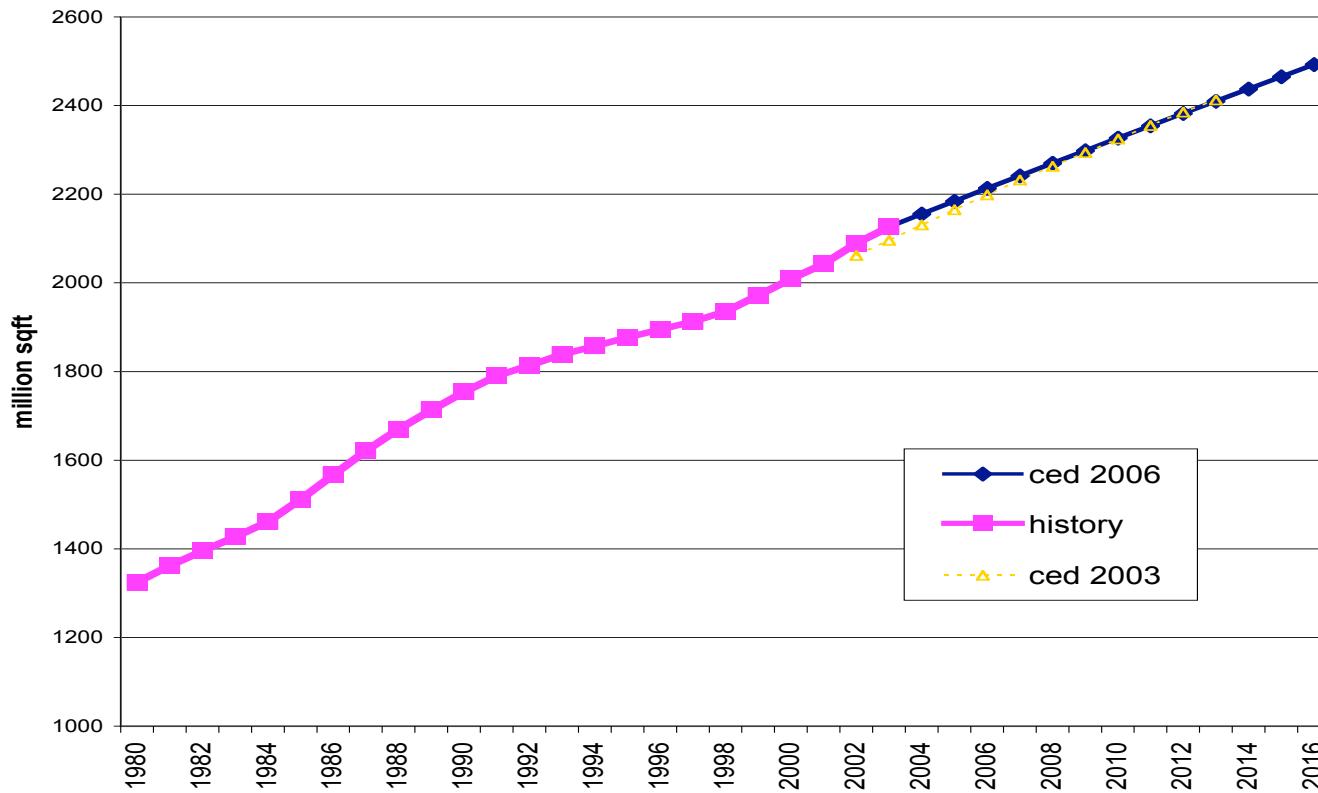
PG&E Planning Area Commercial Building Consumption



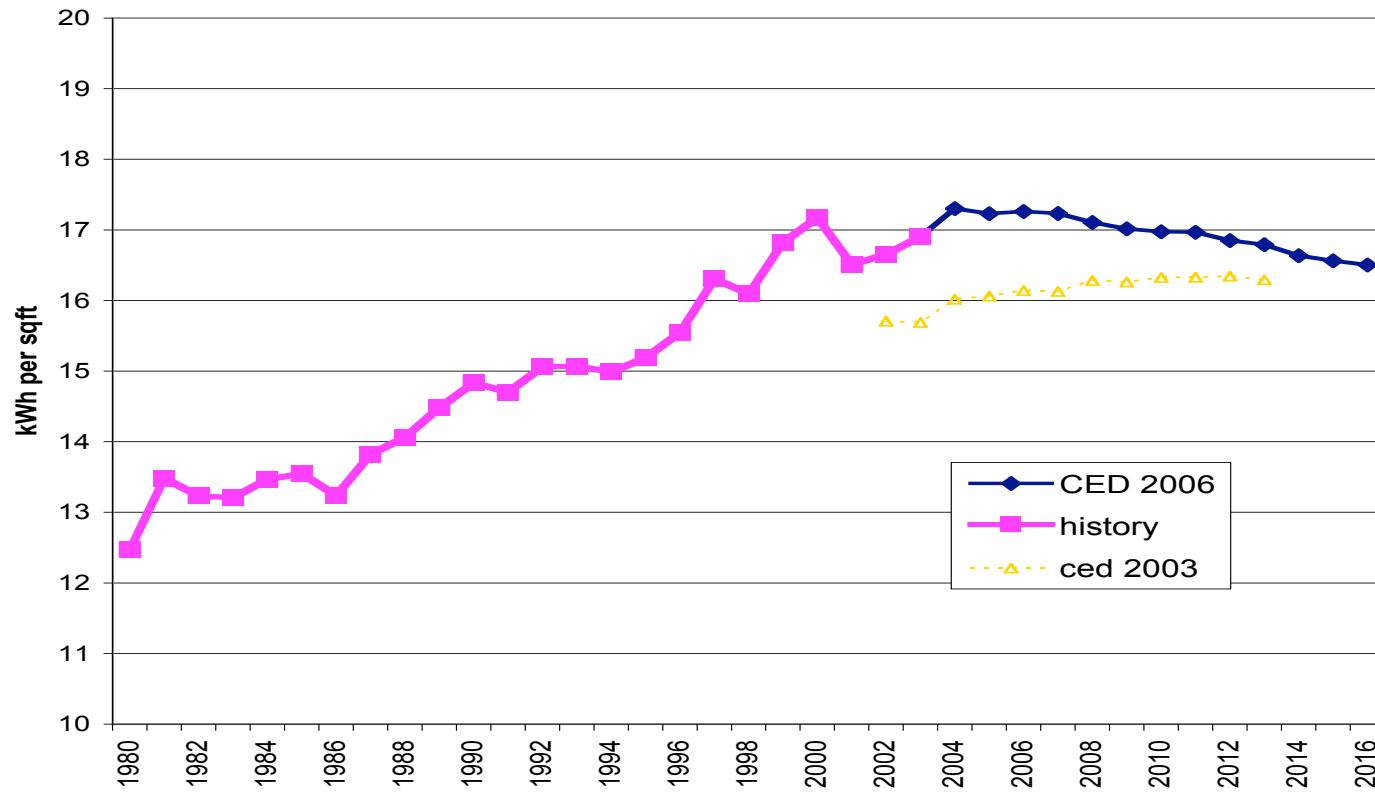
PG&E Planning Area Commercial Building Peak



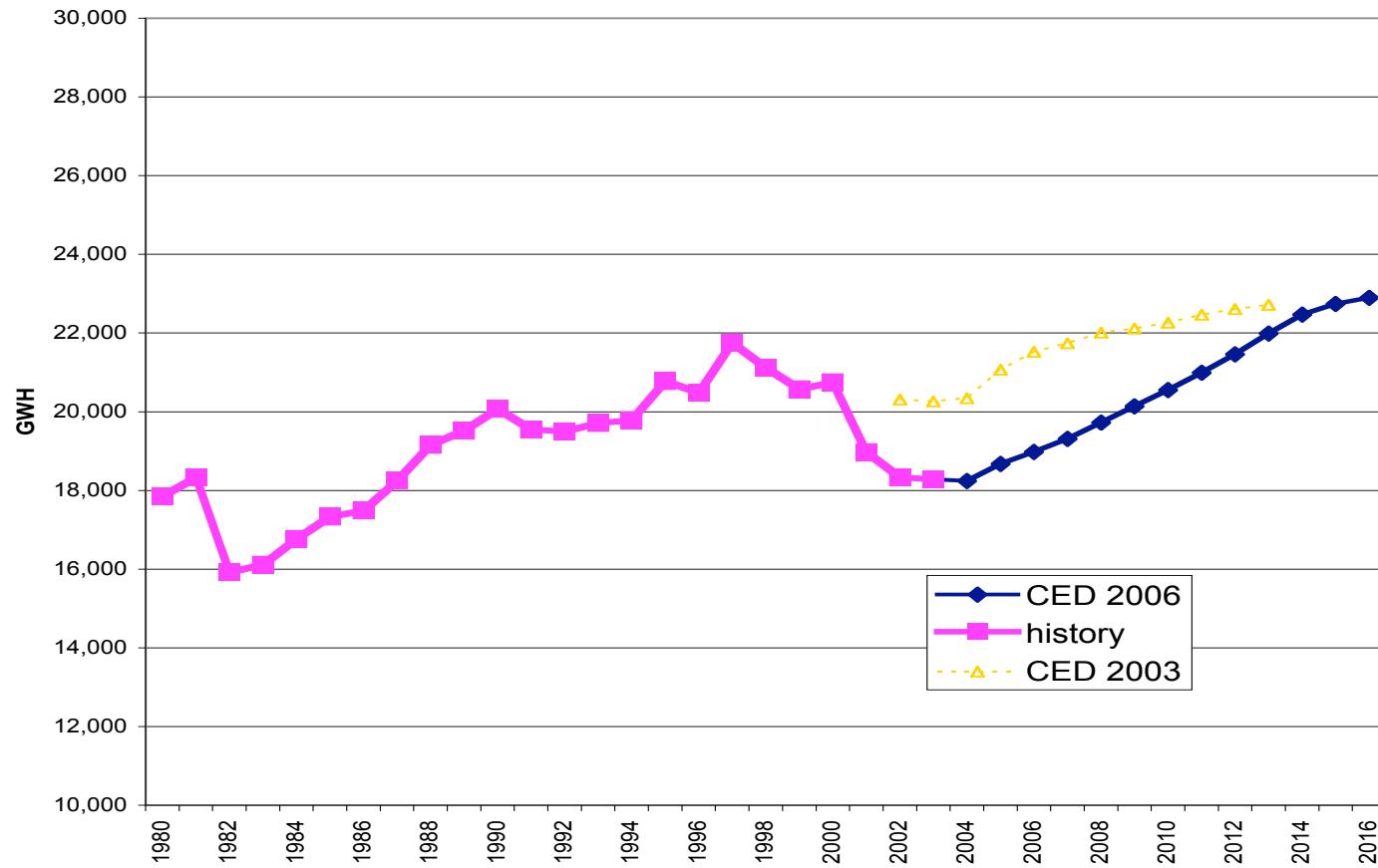
PG&E Planning Area Commercial Floorspace



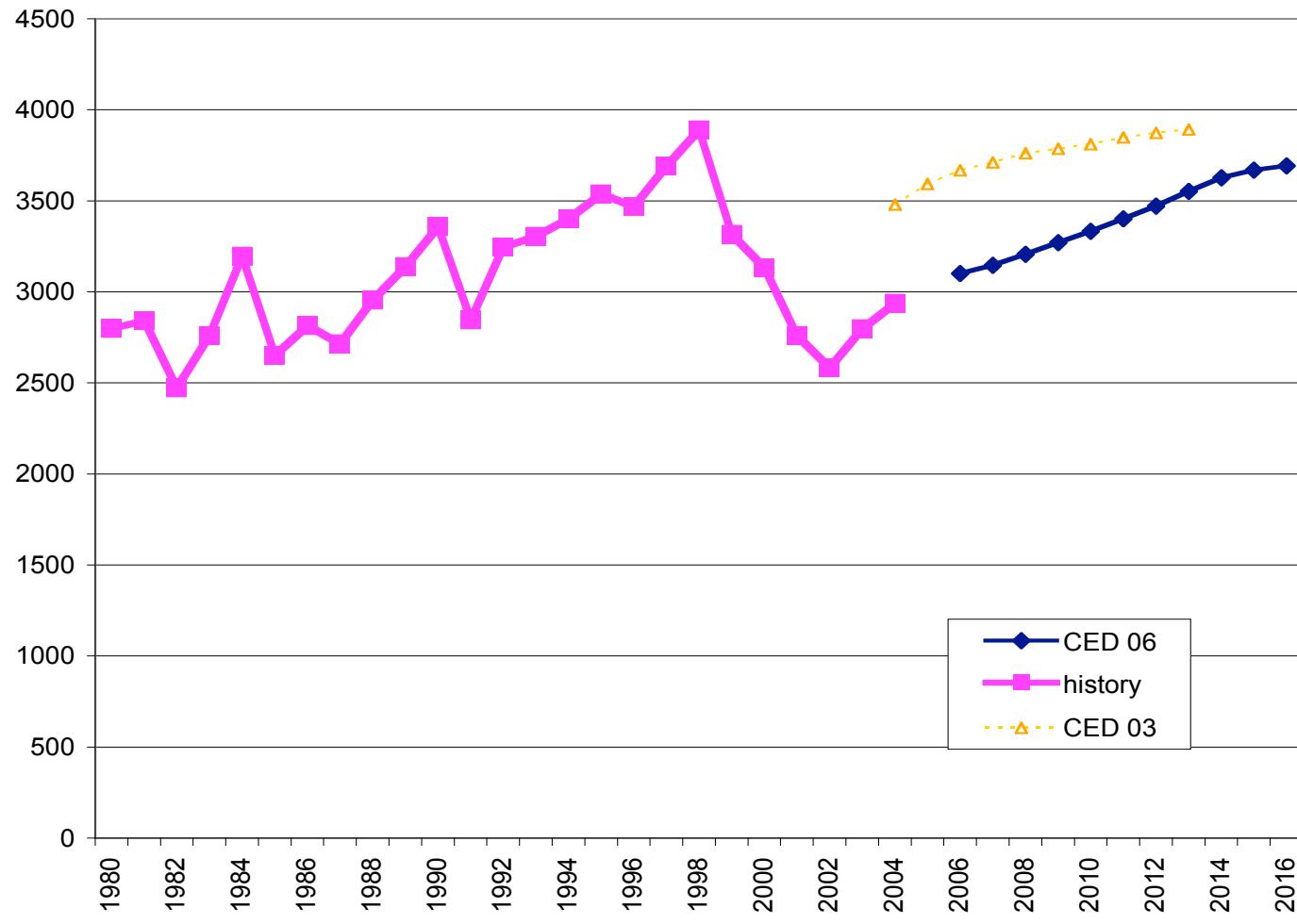
PG&E Planning Area Commercial kWh/sq.ft.



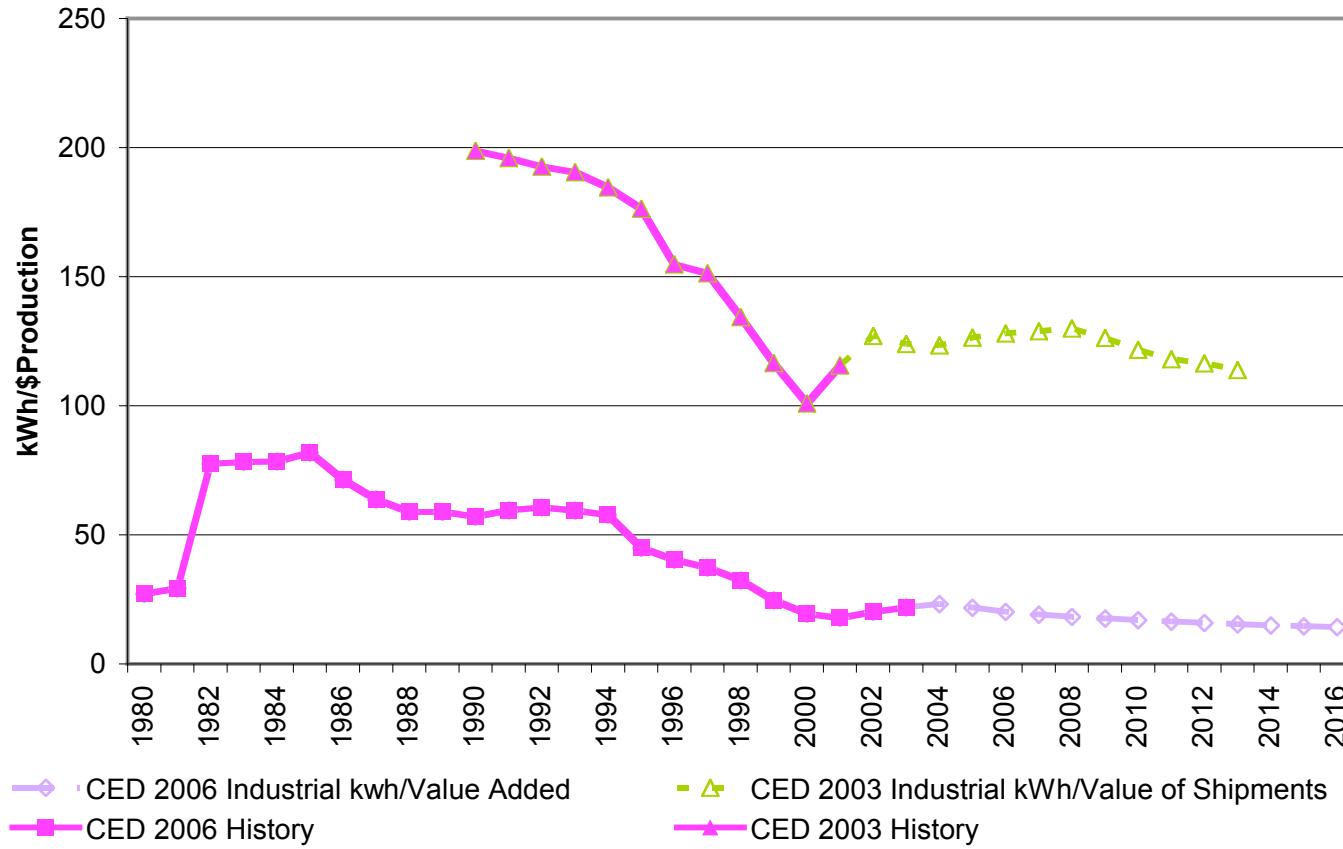
PG&E Planning Area Industrial Consumption



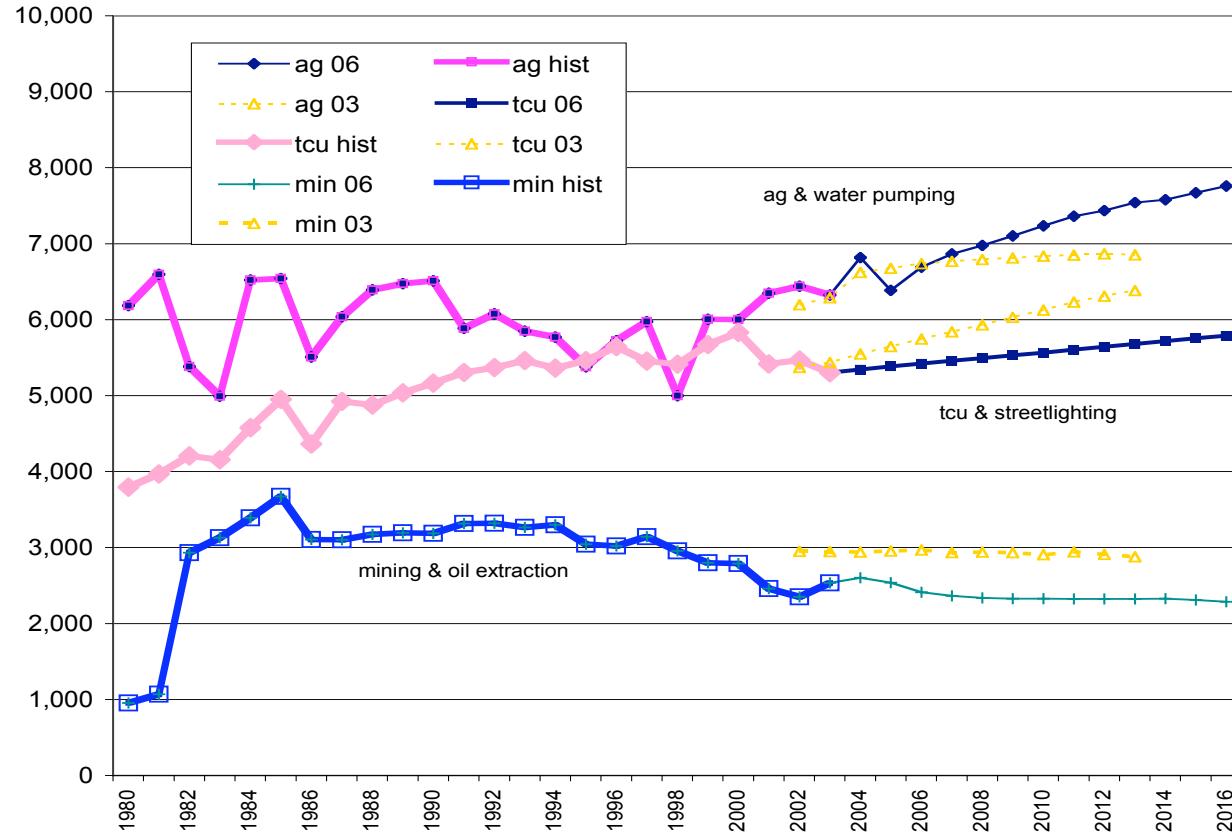
PG&E Planning Area Industrial Peak



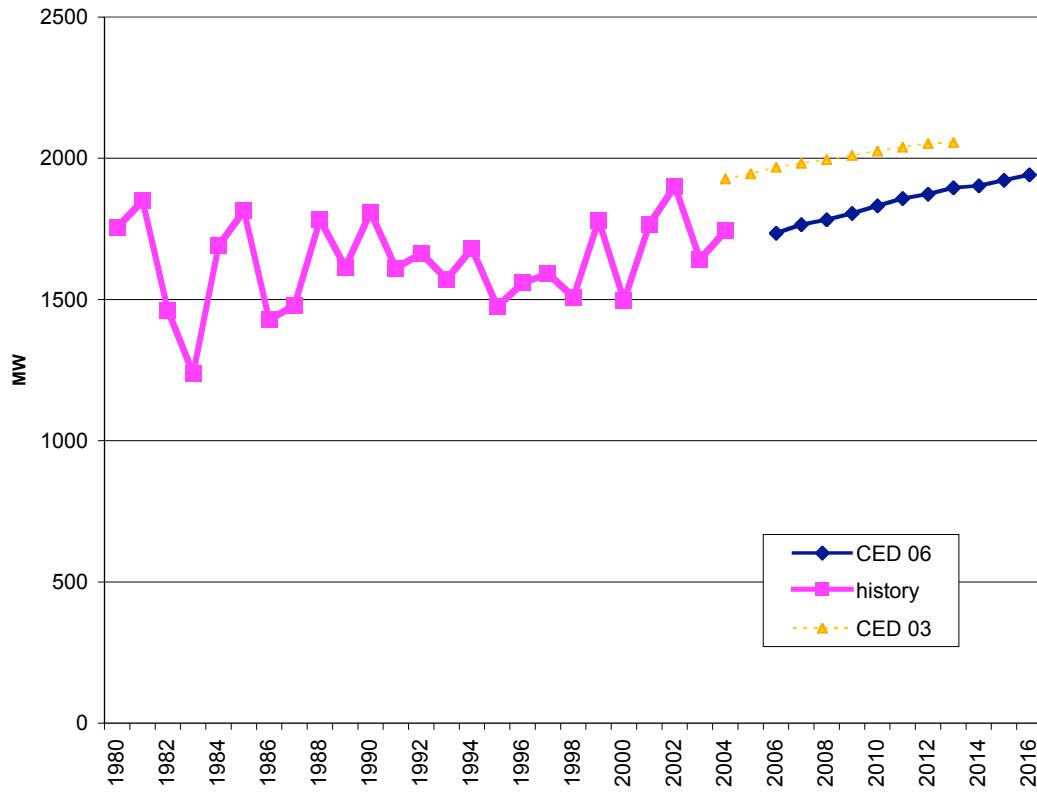
PG&E Planning Area Industrial Use per Production Unit



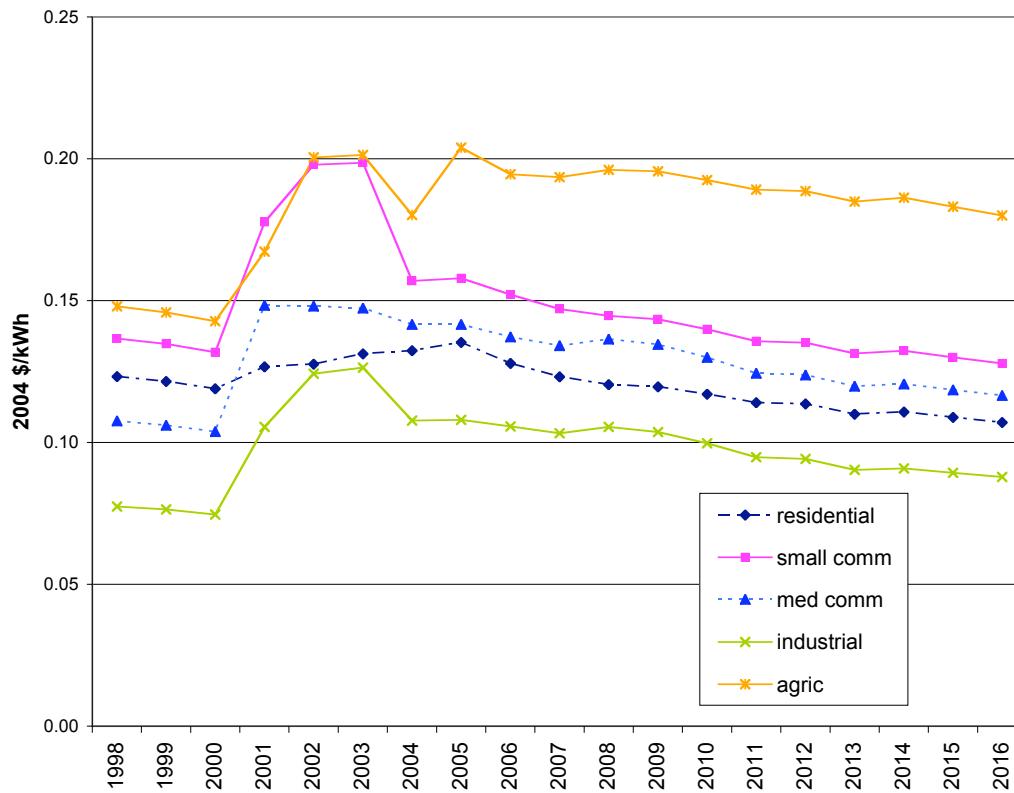
PG&E Planning Area Other Sector Consumption



PG&E Planning Area Other Sectors Peak



PG&E Planning Area Prices



PG&E Planning Area Forecast Comparisons

- Forecasts are within 1.2 percent in 2010
(less than the difference in base year consumption values)
- Peak forecasts are within 2 percent in 2016
- Staff forecast assumes less residential efficiency savings than the aggregate PG&E forecasts
- Staff forecast projects greater industrial growth

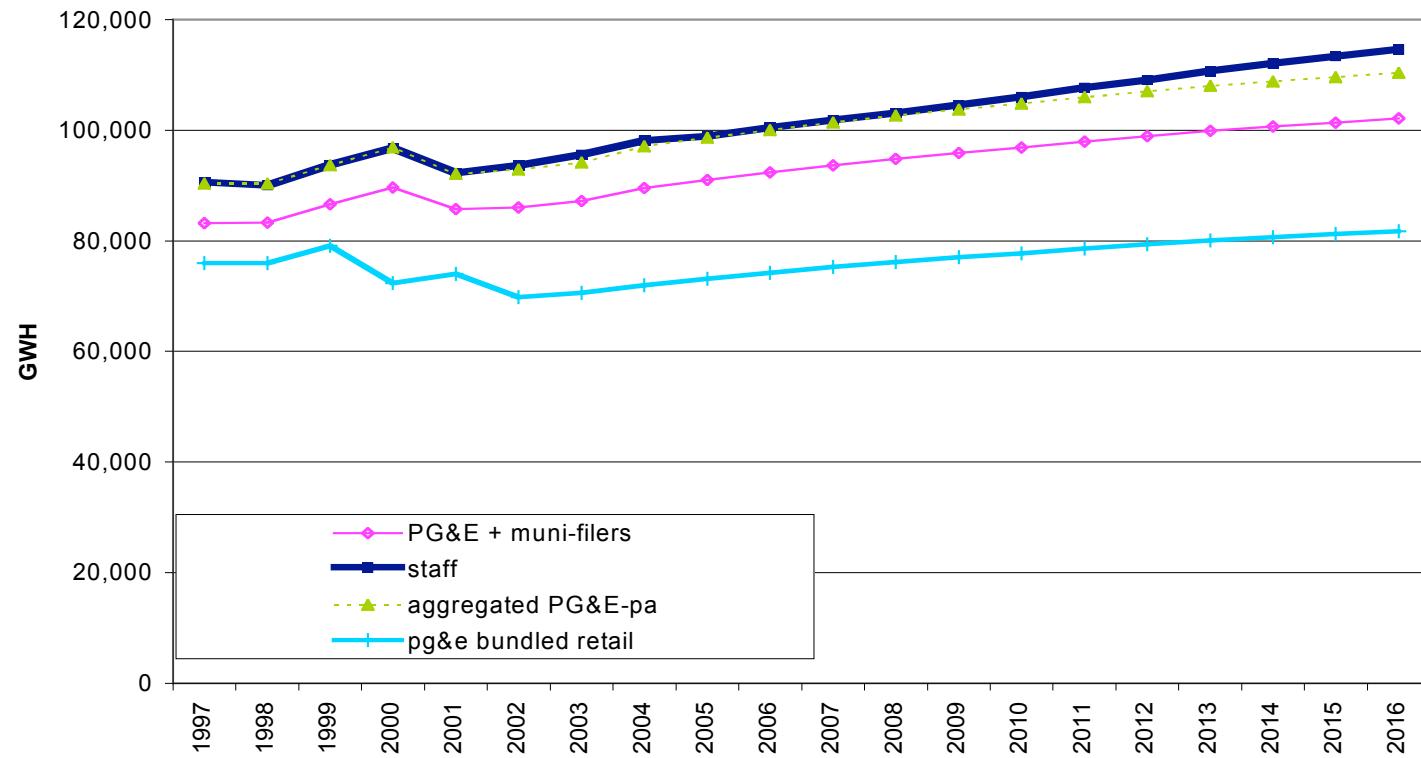


PG&E Planning Area Comparisons

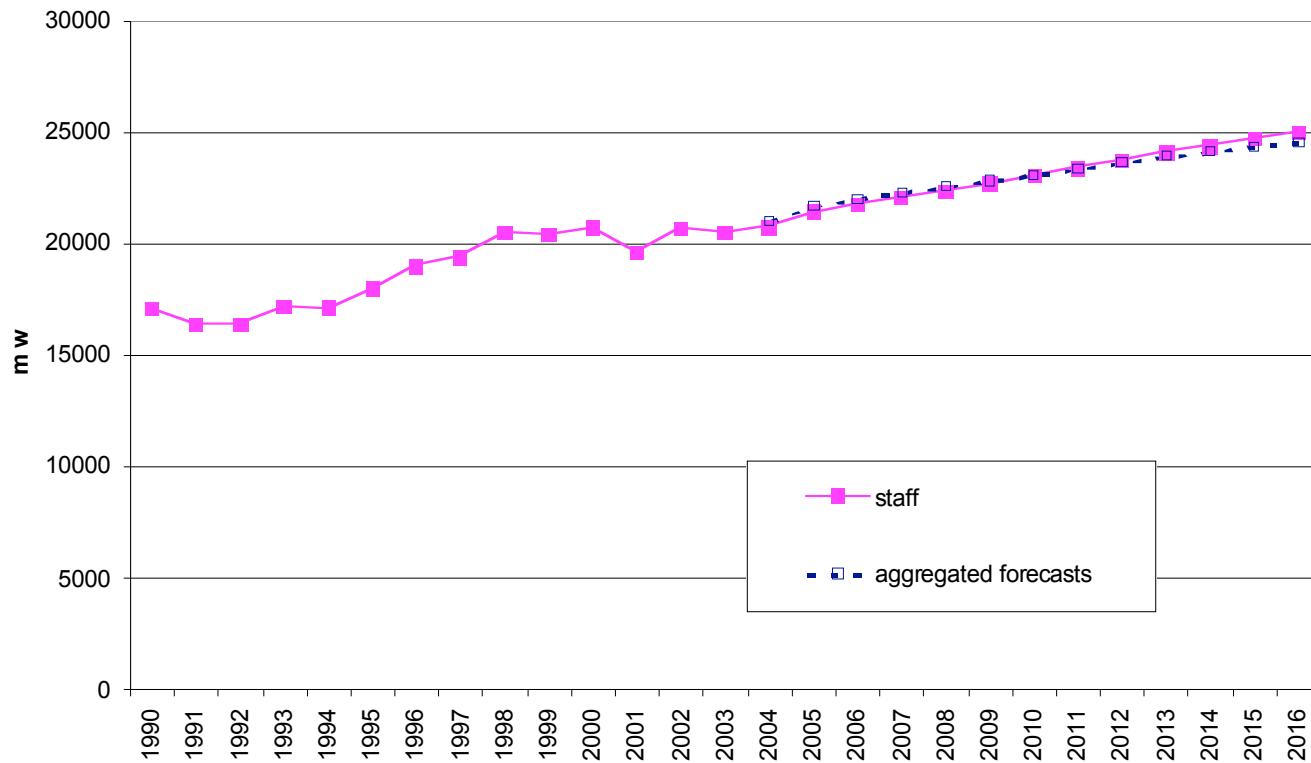
	Consumption (GWH)				Peak (MW)		
	Aggregated Forecasts	Staff Forecast	%difference		Aggregated Forecasts	Staff Forecast	%difference
2000	96,844	96,822	-0.02%		20,698	20,698	0.00%
2003	94,114	95,638	1.62%		20,464	20,464	0.00%
2008	102,677	103,180	0.49%		22,537	22,331	-0.91%
2010	104,812	106,074	1.20%		23,069	22,975	-0.41%
2013	108,015	110,769	2.55%		23,909	24,040	0.55%
2016	110,401	114,614	3.82%		24,538	24,964	1.74%
Annual Average Growth Rates							
2000-2003	-0.95%	-0.41%			-0.38%	-0.38%	
2003-2008	1.76%	1.53%			1.95%	1.76%	
2003-2013	1.39%	1.48%			1.57%	1.62%	
Historic values are shaded							



PG&E Planning Area: Electricity Consumption



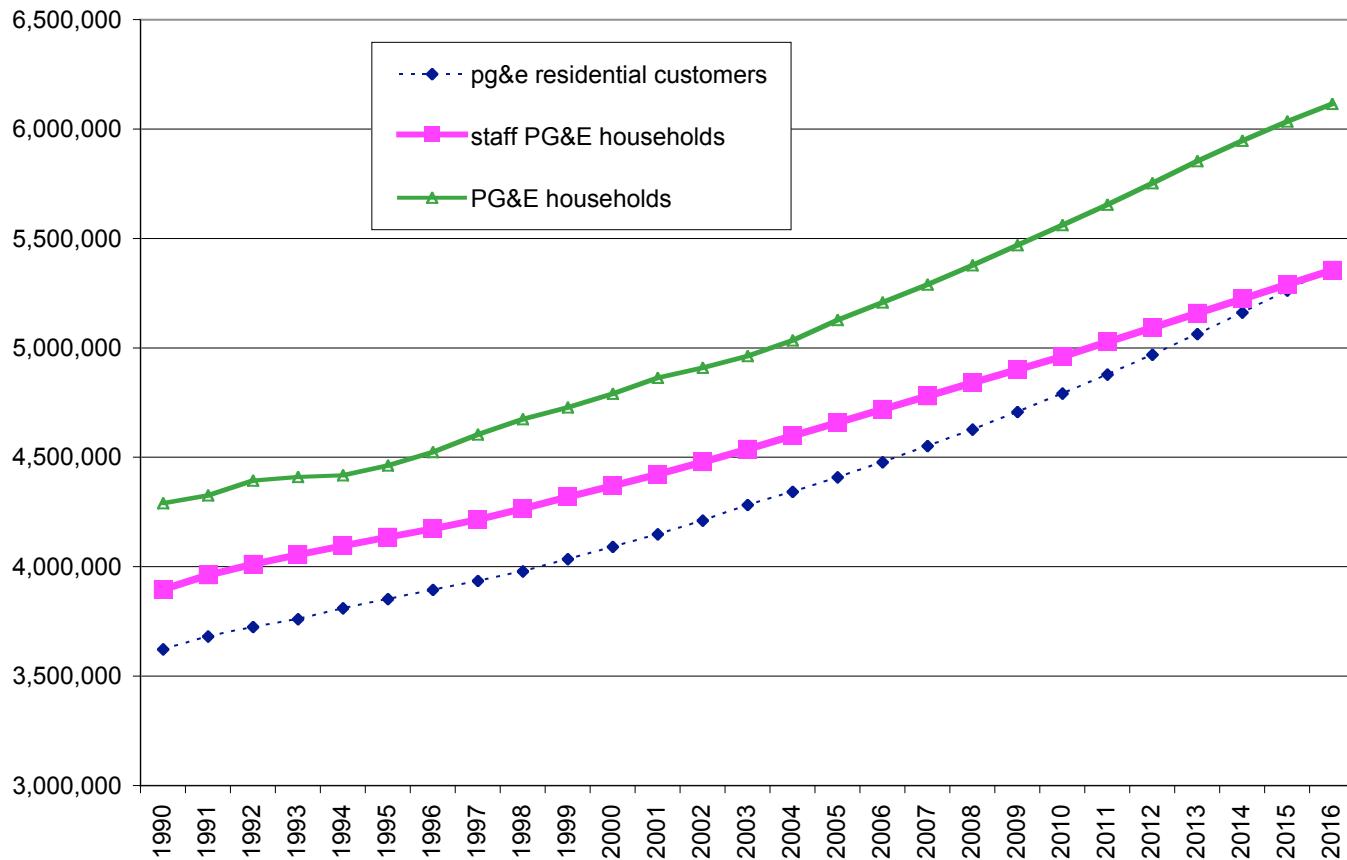
PG&E Planning Area Peak Comparison



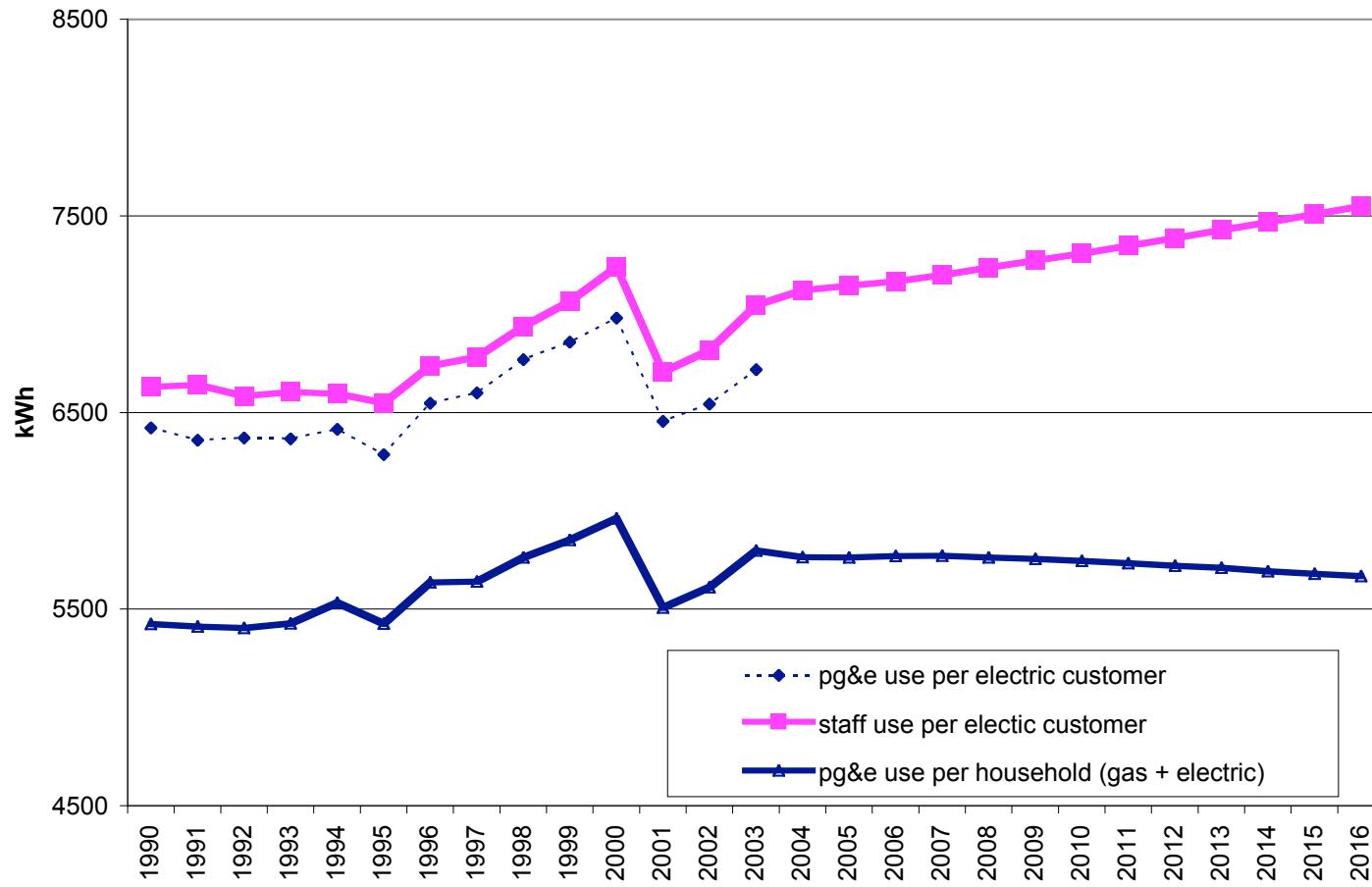
PG&E Planning Area Residential Forecasts



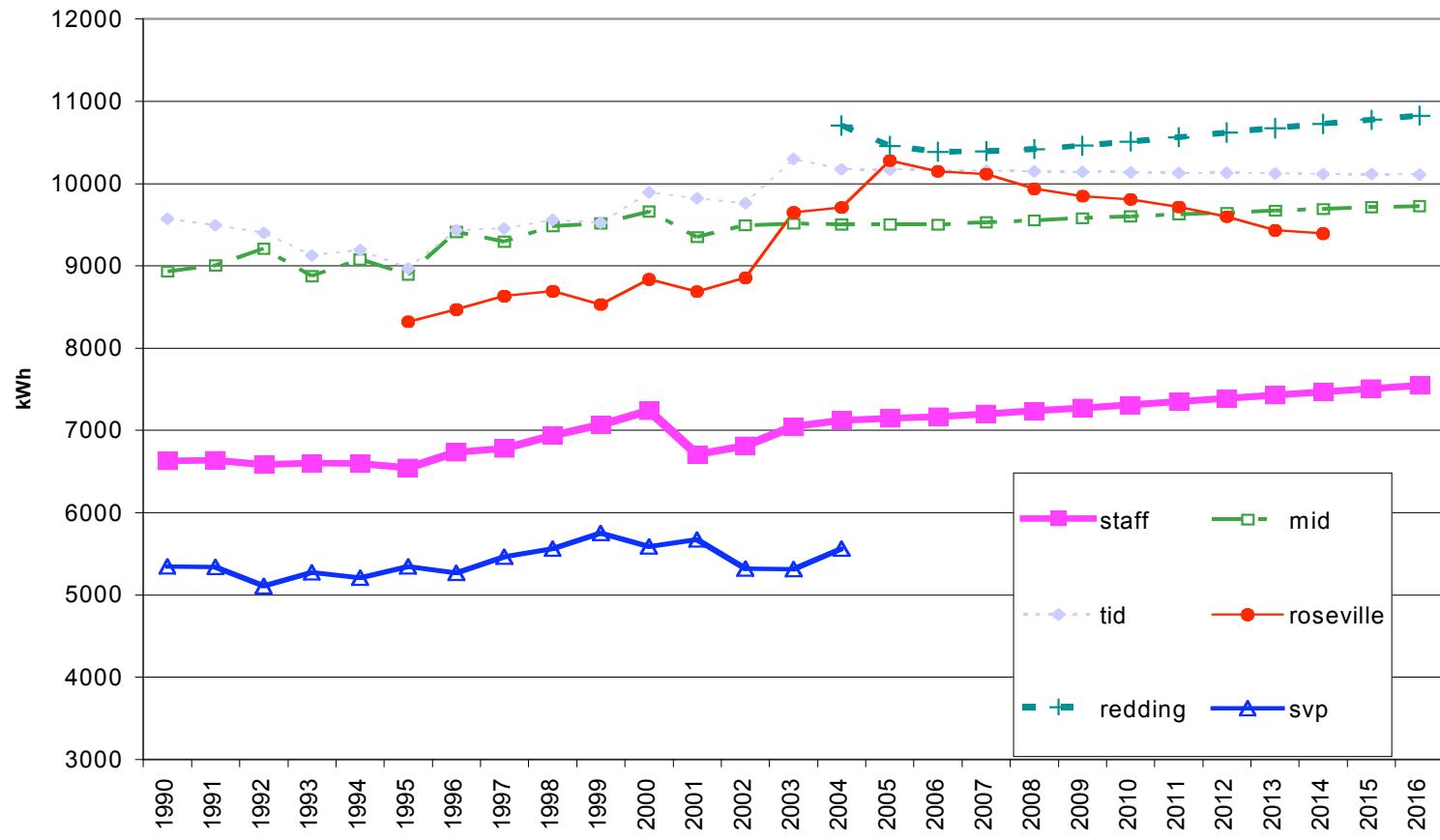
PG&E Household Comparisons



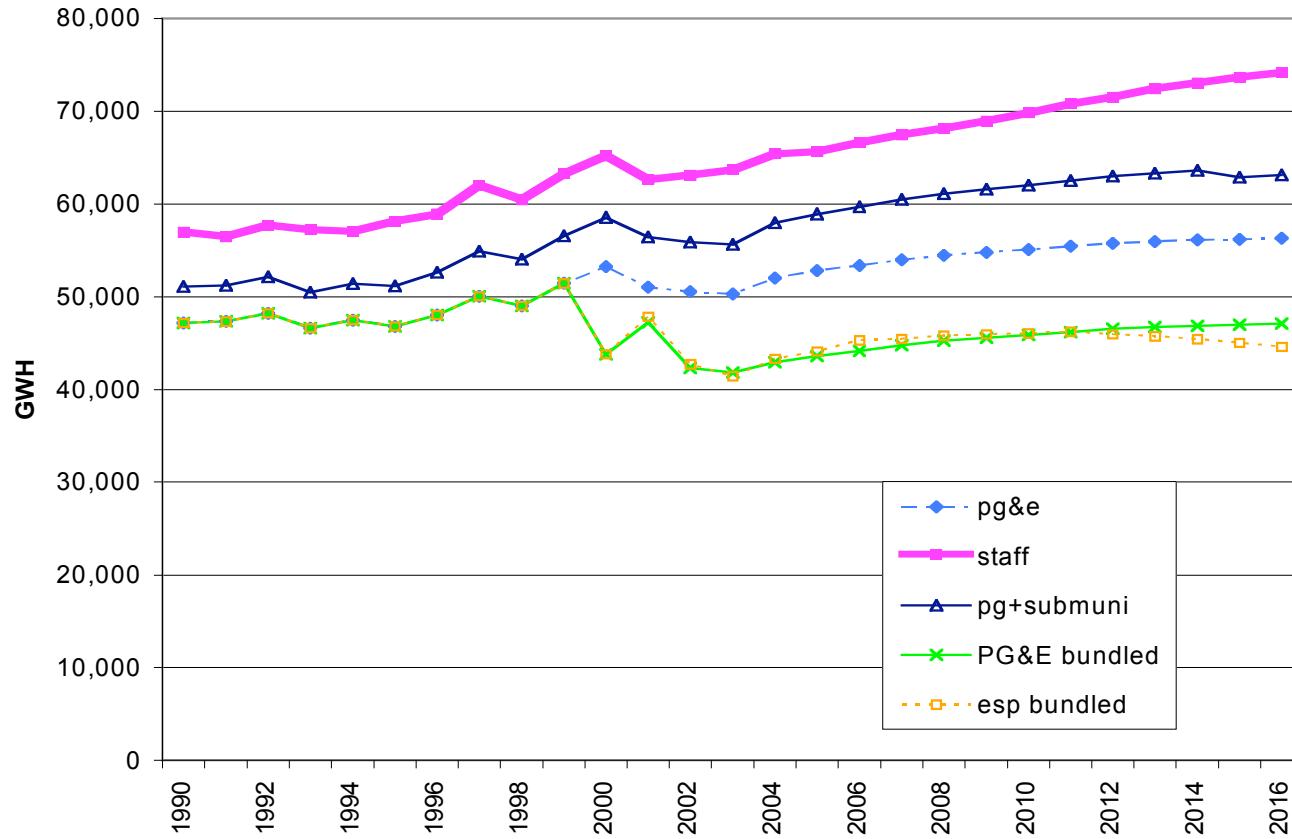
PG&E Use per Household



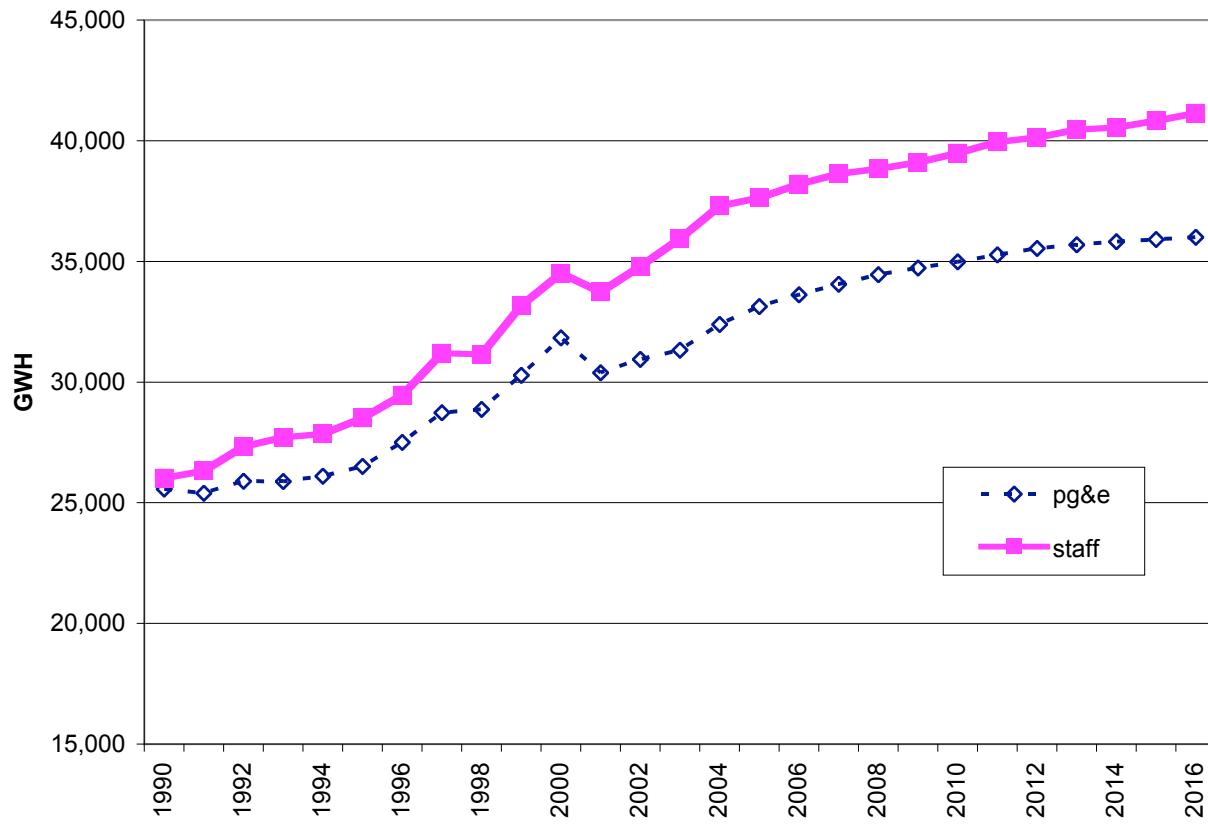
PG&E Planning Area Municipal Use per Household



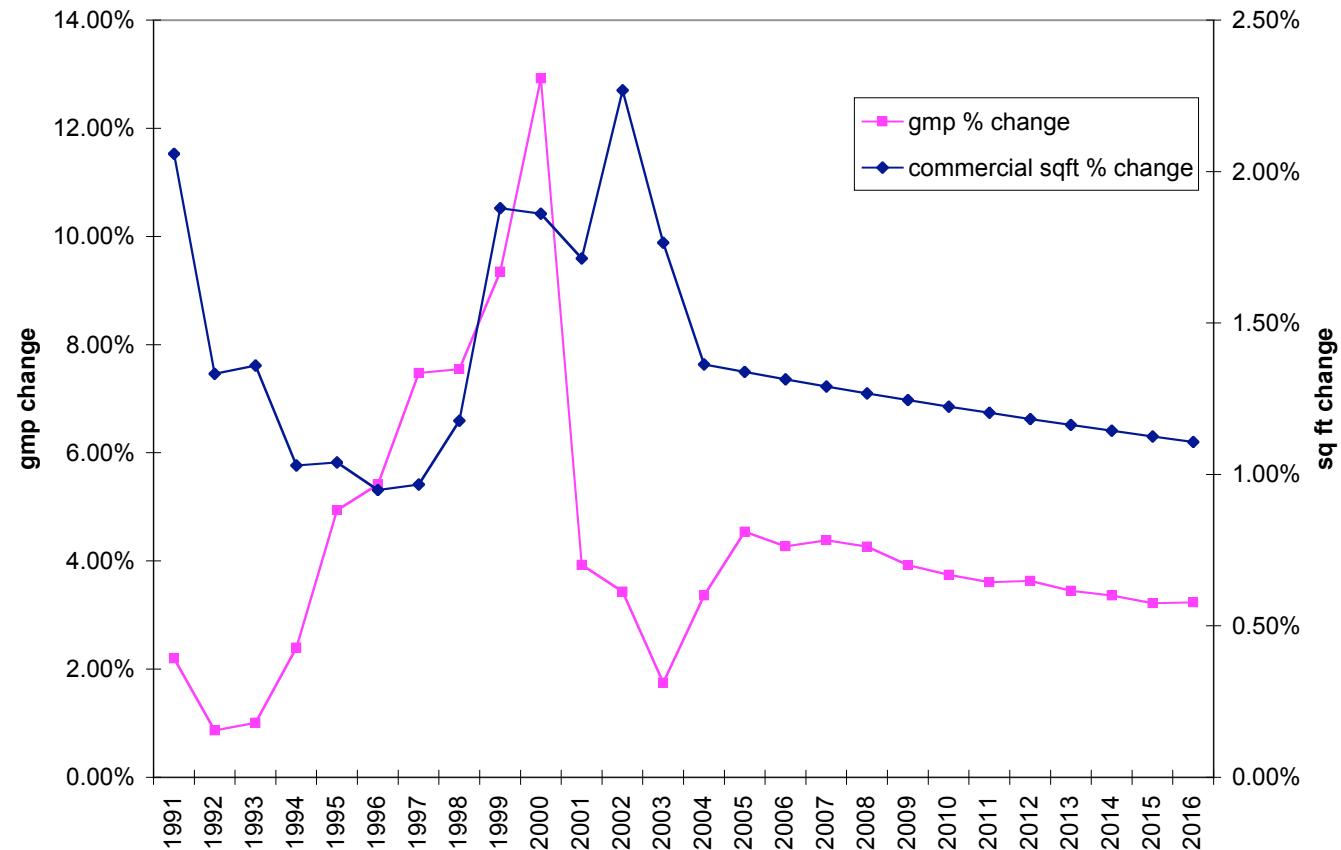
PG&E Planning Area Non-Residential Forecasts



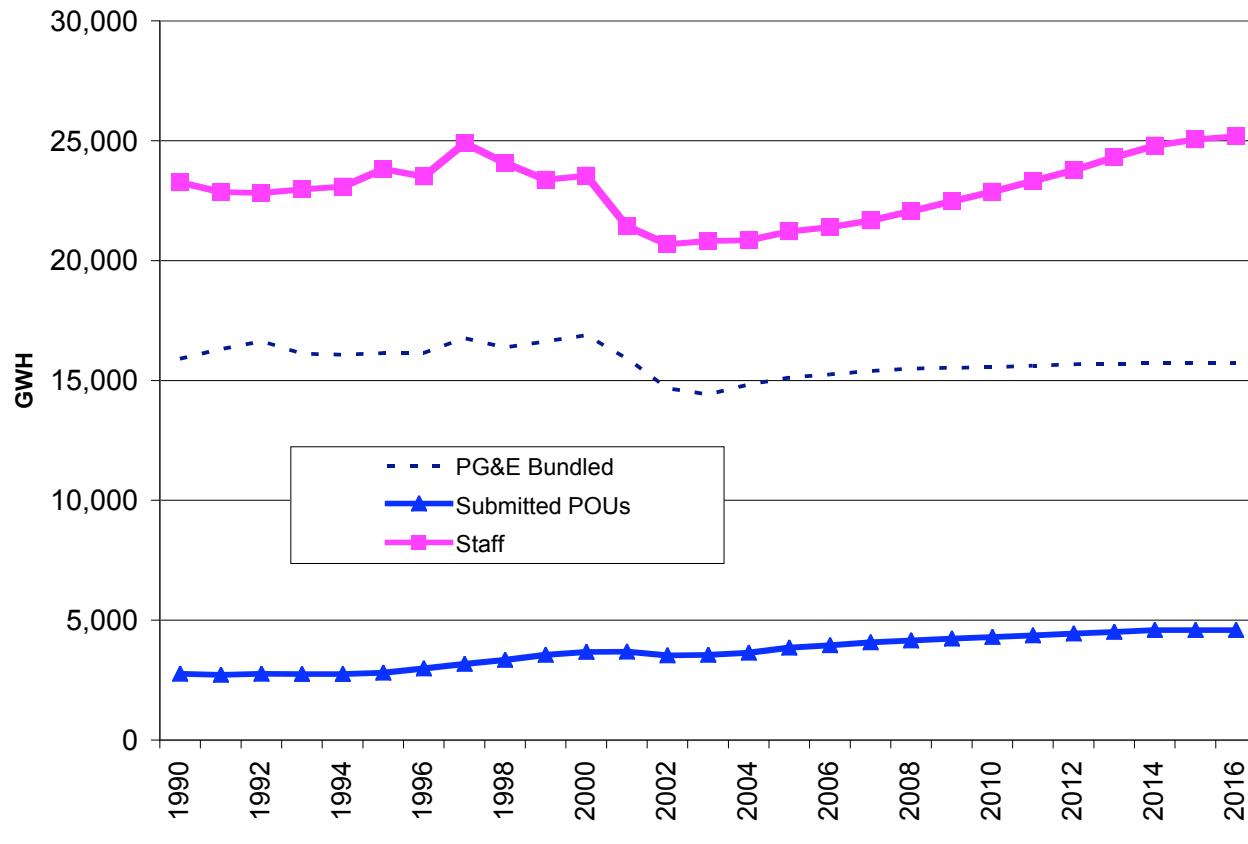
PG&E Commercial Sector Forecasts



PG&E Commercial Forecast Drivers



PG&E Planning Area Industrial Forecast Comparison



PG&E Planning Area Agriculture and Water Pumping Forecasts

